

Title (en)
IN-PLANE SWITCHING DISPLAY DEVICES

Title (de)
SCHALTANZEIGEANORDNUNGEN AUF GLEICHER EBENE

Title (fr)
DISPOSITIFS AFFICHEUR A COMMUTATION DANS LE PLAN

Publication
EP 1938302 B1 20141112 (EN)

Application
EP 06796033 A 20060914

Priority
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Abstract (en)
[origin: WO2007042950A2] A drive method is provided for a display device using the movement of charged particles with a pixel area, with each pixel having first and second drive electrodes (20,23; 22) and a pixel electrode (26). The method comprises a reset phase to move the particles in each pixel towards the first drive electrode (20,23), a pixel data loading phase, to cause selected particles either to stay in the vicinity of the first drive electrode (20,23) or move towards the pixel electrode (26), and a drive phase to distribute the particles which have moved towards the pixel electrode over the pixel electrode (26). The address phase is line-by-line but can be made short, and the other phases can be carried out in parallel for all pixels, saving time.

IPC 8 full level
G09G 3/34 (2006.01)

CPC (source: EP KR US)
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